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A Reliable Geographical Measuring and Lidar mapping Source by [James Blee](#)

Article published on June 6th 2012 | [Business](#)

Lidar services are regarded as the most reliable geographical mapping source. It is possible to create topography with the use of Lidar mapping. The need to map out an entire forest area or project or mountainous area is quite a challenging job. You might have the right equipment, but unless there is the possibility of mapping technology acquiring various facets is really next to impossible. The airborne Lidar system uses the combination of GPS, scanning laser and also inertial measurement unit.

Different kind of laser pulses are focused on the ground by moveable reflecting machines, which reversely orient the pulses into getting details of scanning swath type patterns. Integrating and processing the airborne GPS and ground base data with laser range and inertial type range data produces great amount of 3D data. This is called Lidar point cloud. The yielding data brings about huge benefits for organizations and businesses.

The lidar services help in fetching precise terrain information that is required in making decisions based on critical information. Lidar in the process actually allows you to have a look at the bare earth thus aiding operation and planning decisions.

The whole information actually helps the user to conduct full analysis of the entire project with every aspect in mind. The applications can be broken into a wide area and also corridor type mapping projects.

The wide area type projects usually include flood plane modeling, pipeline route type mapping, urban area GIS, topological mapping, resource management, and much more. Thus with the aid of mapping services it is possible to penetrate those areas with full dexterity and skill.

Lidar eventually helps in fulfilling important missions. It provides critical data for all the users. Besides, the process also ensures cost-effective project and timely survey so as to procure evident data. Thus, it can be said that with the help of Lidar mapping source it is possible to rely on geographical measurements and completion of projects.

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Article Keywords:

lidar services, lidar mapping